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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,496	12/17/2003	Akihiko Yamamoto	21900-00049-US	6131
30678	7590	06/27/2005	EXAMINER	
CONNOLLY BOVE LODGE & HUTZ LLP SUITE 800 1990 M STREET NW WASHINGTON, DC 20036-3425			SUTTON, ANDREW W	
			ART UNIT	PAPER NUMBER
			3765	

DATE MAILED: 06/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/736,496

Applicant(s)

YAMAMOTO, AKIHIKO

Examiner

Andrew W. Sutton

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 December 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/7/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the opening of the guide being open in three directions must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 4 and 6 are objected to for the limitation of guide is formed of a slit that is open in three directions. It is unclear ^{from} by the drawings and specification submitted by the applicant as to what he specifically means by this limitation.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Arie (US 6,206,051). Kato illustrates (Fig. 5) a suction nozzle 17 with a recess outward 16. Fig. 2 shows suction nozzle 17 with the recess portion 16 facing the weaving loom.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baeck et al. (US 5,050,647). Baeck does not disclose a suction nozzle with a rectangular cross section. Baeck does disclose a suction nozzle 19 with an oval like shape with two straight pieces on the top and bottom with rounded edges. The overall shape while not

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explicitly a rectangle, it has generally the same shape as a rectangle would have. It would have been obvious to one of ordinary skill in the art to make the suction device of Baeck a rectangle, as it is equivalent to the shape Baeck teaches.

Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baeck et al. (US 5,050,647) in view of Sawada (US 6,321,796). Baeck teaches the device substantially above. Baeck does not teach the weft yarn passing through a guide with a slit open three ways. Sawada illustrates (Fig 5) a guide 10 having a slit 11 which the yarn passes through which is located (Fig. 2) between the cutter and the weaving end. It would have been obvious to combine the teachings of Baeck and Sawada to provide more control of the warp yarn.

As to claim 4, Sawada illustrates (Fig. 5) that cloth fell is facing in the same direction as the opening with would mean the opening would be confronting the reed as it performed the beat-up operation. Sawada shows (Fig. 2) that the guide 10 is positioned between the cutter and the warp yarns.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arie (US 6,206,051) in view of Sawada (US 6,321,796). Arie teaches the device substantially above. Arie does not teach the weft yarn passing through a guide with a slit open three ways. Sawada illustrates (Fig 5) a guide 10 having a slit 11 which the yarn passes through which is located (Fig. 2) between the cutter and the weaving end. It would have been obvious to combine the teachings of Arie and Sawada to provide more control of the warp yarn.

As to claim 6, Sawada illustrates (Fig. 5) that cloth fell is facing in the same direction as the opening with would mean the opening would be confronting the reed as it performed the beat-up operation. Sawada shows (Fig. 2) that the guide 10 is positioned between the cutter and the warp yarns.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Allen (US 4,498,504), Shaw (US 4,974,640), and Betsch (US 4,984,608) show the state of the art. Kato (US 4,711,273) shows a pipe 196 with a polygonal shape but is not used for suction of the yarn.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew W. Sutton whose telephone number is (571) 272-6093. The examiner can normally be reached on Monday - Friday 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John J. Calvert can be reached on (571) 272-4983. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AWS
21 June 2005


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